CLAIMS

1) A method of locating a signal receiver comprising:

using a plurality of signal receivers to receive a plurality of multiple frequency input signals originating from sources selected from a group consisting of known origin transmitters and unknown origin transmitters, wherein said signal receivers are of known physical location,

finding a difference in time of the reception of said signals between each of the signal receivers, and

using the difference in time of reception to locate the origin of said signals.

2) The method of claim 1, whereby said multiple frequency input signals are used to locate an unknown location signal receiver.

3) The method of claim 2, whereby said signal receivers are cellular base stations and said unknown location signal receiver is a cellular handset.

4) The method of claim 3, whereby a remotely located processor is used to find said difference in time in order to locate said multiple frequency input signals.

5) A signal receiver locating system comprising:

a plurality of signal transmitters selected from a group consisting of known location signal sources and unknown location signal sources,

a plurality of known location signal receivers, said known location signal receivers receiving signals from said signal transmitters,

a signal processor, said signal processor receiving signals from said known location signal receivers and outputting a set of data, whereby said data is used to locate said signal transmitters.

6) The signal receiver locating system of claim 5, further comprising a signal receiver of unknown location, whereby the data is used to locate said signal receiver of unknown location.

7) The method of claim 6, whereby said signal receivers are cellular base stations and said unknown location signal receiver is a cellular handset.

8) The method of claim 6, whereby a remotely located processor is used to find said difference in time in order to locate said multiple frequency input signals.

9) A method of locating a signal receiver comprising:

using a plurality of signal receivers to receive a multiple frequency input signal originating from a transmitter selected from a group consisting of known origin transmitters and unknown origin transmitters, wherein said signal receivers are of known physical location,

finding a difference in time of the reception of said signals between each of the signal receivers, and

using the difference in time of reception to locate the origin of said signal.

10) The method of claim 9, whereby said multiple frequency input signal and a plurality of said signal receivers are used to locate an unknown location signal receiver.

11) The method of claim 10, whereby said signal receivers are cellular base stations and said unknown location signal receiver is a cellular handset.

12) The method of claim 11, whereby a remotely located processor is used to find said difference in time in order to locate said multiple frequency input signals.

13) A signal receiver locating system comprising:

a signal transmitter selected from a group consisting of known location signal sources and unknown location signal sources,

a plurality of known location signal receivers, said known location signal receivers receiving signals from said signal transmitters,

a signal processor, said signal processor receiving signals from said known location signal receivers and outputting a set of data, whereby said data is used to locate said signal transmitters.

14) The signal receiver locating system of claim 13, further comprising a signal receiver of unknown location, whereby the data is used to locate said signal receiver of unknown location.

15) The method of claim 14, whereby said signal receivers are cellular base stations and said unknown location signal receiver is a cellular handset.

16) The method of claim 14, whereby a remotely located processor is used to find said difference in time in order to locate said multiple frequency input signals.